



Photo 1 – Bourne Bridge, deteriorated deck of north abutment.



Photo 2 – Bourne Bridge, underside of Pier 3 deck joint.



Photo 3 – Bourne Bridge, dislodged and missing compression seal @ Pier 6 deck joint.

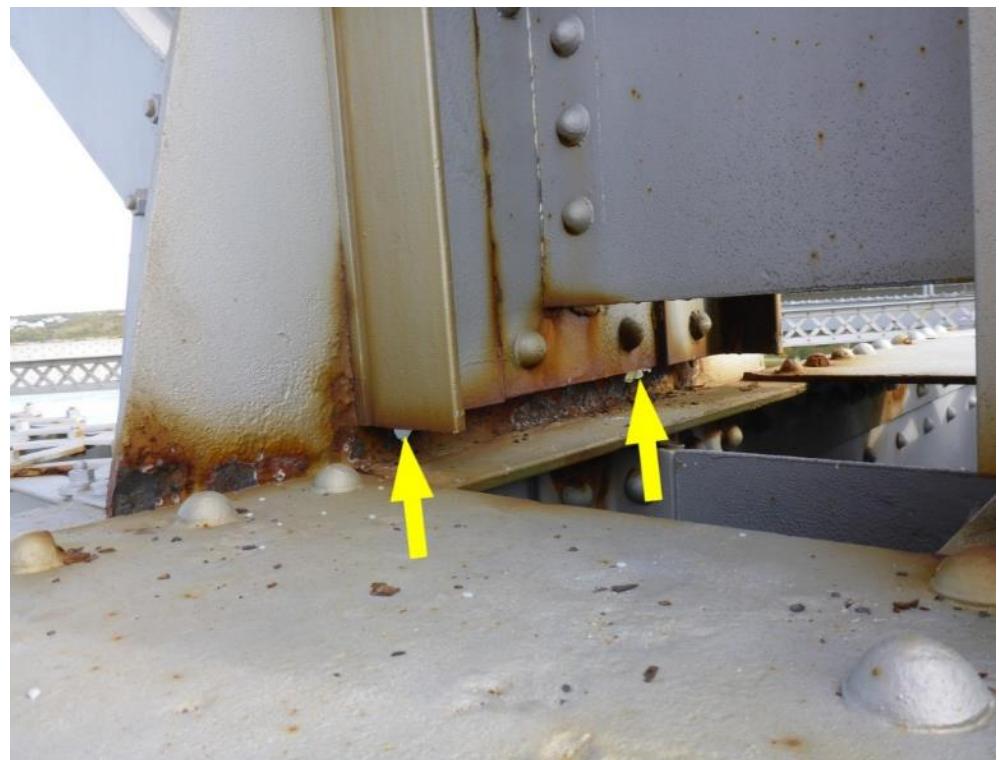


Photo 4 – Bourne Bridge, Span 2, west truss, east gusset plate at L7' with holes along the top of the lower chord member.



Photo 5 – Bourne Bridge, Span 3, west truss, west gusset plate at U0 with thick pack rust along both edges deforming the gusset plate.



Photo 6 – Bourne Bridge, Span 2, east truss, west gusset plate at U6': section loss with active corrosion along the interface with the sidewalk curb channel.



Photo 7 – Bourne Bridge, Span 4, west truss joint L8: Angle welded to the interior face of the east gusset plate (considered a FSD).



Photo 8 – Bourne Bridge, Beam BM1, chamber 2 of the south abutment: The bearing area is undermined resulting in a 33% reduction in bearing area.



Photo 9 – Bourne Bridge, Span 1, north side of floorbeam FB10: Active corrosion with $1/16"$ loss by full height of the web.



Photo 10 – Bourne Bridge, Span 5, east truss upper chord member U5U6 has up to 1" thick pack rust at the top splice plate with active corrosion on the rivet heads.



Photo 11 – Bourne Bridge, Span 5, west truss diagonal L8U7: Widespread 1/16" deep pitting.



Photo 12 – Bourne Bridge, Span 2, upper lateral bracing at the connection to the east truss at U3': 100% loss by full height of both vertical legs of the bottom flange angles.



Photo 13 – Bourne Bridge, Span 2, east truss, east gusset plate at U0': 1/2" thick pack rust along both edges of the truss vertical member with deforming of the gusset plate.



Photo 14 – Bourne Bridge, Span 3, east bearing at pier 3 has a detached covering and a broken anchor bolt.



Photo 15 – Bourne Bridge, south suspender at east truss joint 14!: A 1/16" wide gap by 6" long between two wires, indicative of stage IV corrosion.

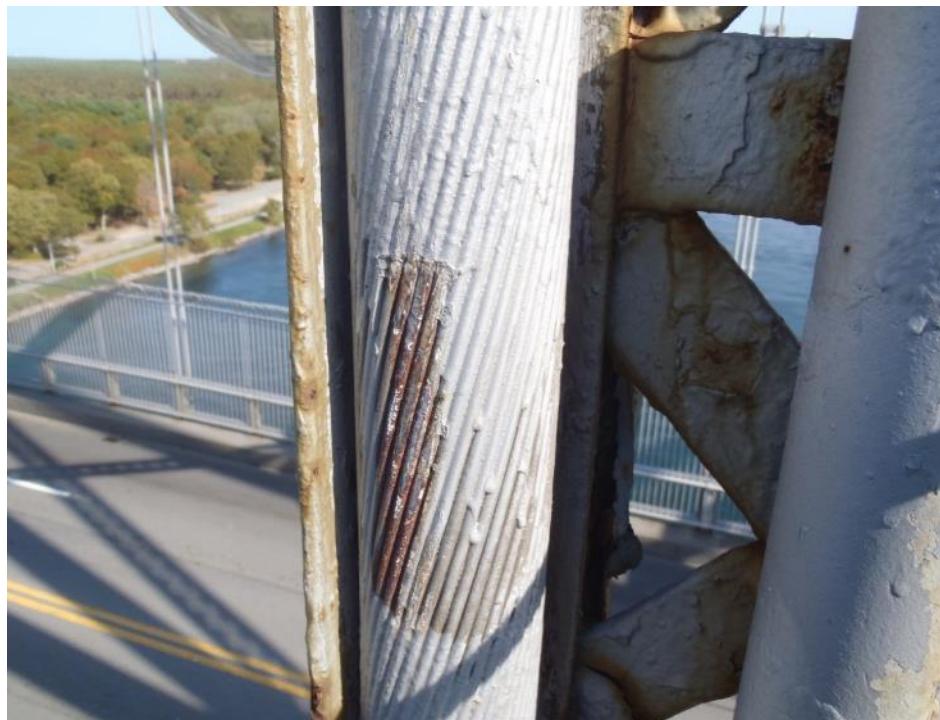


Photo 16 – Bourne Bridge, North suspender at west truss joint 13: Area of stage IV corrosion.



Photo 17 – Sagamore Bridge, deteriorated joint header at south abutment.

Repaired in 2018.



Photo 18 – Sagamore Bridge, efflorescence in the underside of the deck in chamber 1 of the south abutment.



Photo 19 – Sagamore Bridge, advanced deterioration to the west gusset plate at truss joint L7 of the east truss in span 3.



Photo 20 – Sagamore Bridge, pack rust along the north edge of truss vertical member deforming the gusset plate at truss joint U0' of the east truss.



Photo 21 – Sagamore Bridge, heavy pitting on the interior face of the east gusset plate at truss joint U0 of the west truss.



Photo 22 – Sagamore Bridge, bent anchor bolt at the south abutment out of plumb 1/4".



Photo 23 – Sagamore Bridge, fatigue sensitive detail utility bracket welded to the north face of the web of floorbeam FB5'.



Photo 24 – Sagamore Bridge, South Abutment on East Face exhibits an area of delaminating concrete 4'x1' which may pose a future falling hazard.



Photo 25 – Sagamore Bridge, impact damage to the east wind chord.



Photo 26 – Sagamore Bridge, fully cracked weld along the top flange cover plate repair.



Photo 27 – Sagamore Bridge, corrosion hole in the internal longitudinal stiffener plate of east truss upper chord member U0'U1' in span 2.



Photo 28 – Sagamore Bridge, area of pitting to the interior face of east truss vertical member in span 1.



Photo 29 – Sagamore Bridge, interior view of the south connection plate of sway brace with advanced deterioration.



Photo 30 – Sagamore Bridge, pack rust between the upper connection plate and the upper lateral bracing between truss joints at U1 in span 3.



Photo 31 – Sagamore Bridge, misalignment with rubbing between the collar assembly and the south suspender cable at truss joint 15 of the east truss.



Photo 32 – Sagamore Bridge, area of stage III corrosion on the south suspender at east truss joint 12 between the top and bottom rails of the railing.